## PATENT ABSTRACTS OF JAPAN

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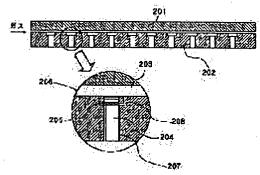
## (54) SHOWER PLATE, SHOWER PLATE PERIPHERAL STRUCTURE, AND PROCESSOR

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a shower plate, in which an outlet can be readily formed regardless of a material and it is possible to prevent plasma from being ignited at a gap between the shower plate and a gap plate placed thereon, when the shower plate is used for a microwave excitation plasma device.

SOLUTION: A blow outlet port 207 is constituted by holes formed on a plate 202, and spaces formed between the holes and circular cylinders 204, which have smaller diameters than the holes. Furthermore, the outlet 207 has a tapered shape, the shower plate

202 is made of a dielectric material, and the shower plate 202 is disposed for a microwave excitation plasma device.



## **LEGAL STATUS**

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]

Notice of Abandonment	Application No.	Applicant(s)
	09/973,945	GAN ET AL.
	Examiner	Art Unit
	Marianne P. Allen	1647
The MAILING DATE of this communication app	<u> </u>	<u> </u>
This application is abandoned in view of:		
<ol> <li>Applicant's failure to timely file a proper reply to the Office letter mailed on 18 August 2005.</li> <li>A reply was received on (with a Certificate of Mailing or Transmission dated ), which is after the expiration of the period for reply (including a total extension of time of month(s)) which expired on</li> </ol>		
(b) A proposed reply was received on, but it does not constitute a proper reply under 37 CFR 1.113 (a) to the final rejection.		
(A proper reply under 37 CFR 1.113 to a final rejection consists only of: (1) a timely filed amendment which places the application in condition for allowance; (2) a timely filed Notice of Appeal (with appeal fee); or (3) a timely filed Request for Continued Examination (RCE) in compliance with 37 CFR 1.114).		
(c) A reply was received on but it does not constitute a proper reply, or a bona fide attempt at a proper reply, to the non-final rejection. See 37 CFR 1.85(a) and 1.111. (See explanation in box 7 below).		
(d) 🖸 No reply has been received.		
2. Applicant's failure to timely pay the required issue fee and publication fee, if applicable, within the statutory period of three months from the mailing date of the Notice of Allowance (PTOL-85).		
(a) The issue fee and publication fee, if applicable, was received on (with a Certificate of Mailing or Transmission dated), which is after the expiration of the statutory period for payment of the issue fee (and publication fee) set in the Notice of Allowance (PTOL-85).		
(b) The submitted fee of \$ is insufficient. A balance of \$ is due.		
The issue fee required by 37 CFR 1.18 is \$ The publication fee, if required by 37 CFR 1.18(d), is \$		
(c) The issue fee and publication fee, if applicable, has not been received.		
3. Applicant's failure to timely file corrected drawings as required by, and within the three-month period set in, the Notice of Allowability (PTO-37).		
(a) Proposed corrected drawings were received on (with a Certificate of Mailing or Transmission dated), which is after the expiration of the period for reply.		
(b) ☐ No corrected drawings have been received.		
4. The letter of express abandonment which is signed by the attorney or agent of record, the assignee of the entire interest, or all of the applicants.		
5. The letter of express abandonment which is signed by an attorney or agent (acting in a representative capacity under 37 CFR 1.34(a)) upon the filing of a continuing application.		
6. The decision by the Board of Patent Appeals and Interference rendered on and because the period for seeking court review of the decision has expired and there are no allowed claims.		
7. The reason(s) below:		
- 0 x		
Marianne P. Allen  Primary Examiner 4//3/06  Art Unit: 1647		
		Marianne P. Allen
		Art Unit: 1647
Petitions to revive under 37 CFR 1.137(a) or (b), or requests to withdraw the holding of abandonment under 37 CFR 1.181, should be promptly filed to minimize any negative effects on patent term.		
U.S. Patent and Trademark Office	of Abandonment	Part of Paper No. 20060413
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